

### ABSTRACT OF THE INVENTION

In the present invention, HTML elements are mapped to objects in an object-oriented environment. Classes of objects are defined for each HTML element as well as the HTML document (or page). By providing a

5 one-to-one mapping between each HTML element and object classes, HTML documents can be manipulated programmatically. The properties of each element are stored in instance variables of the associated object. Each object class can include methods to manipulate the HTML element within an HTML document.